

Appln. No. 09/905,717

Amendment Date: October 28, 2005

Reply to Office Action of June 28, 20054

Page 2

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A receiver for receiving and
Efficiently separating a composite 3-G wireless communication
signal into [its] constituent base-band components, wherein said
receiver combines [multiple] processing tasks of a [conven-
tional] 3-G receiver using a single filter, [in two entities]
the single filter comprising

an equal-ripple linear phase recursive filter channelizer
performing spectral translation and bandwidth reduction, and

an equal-ripple linear recursive interpolator for perform-
ing sample rate changes[,].

[whereby the channelizer entity performs the processing re-
quired to operate multiple channels in a single device.]

2. (canceled)

3. (canceled)